

Permit Alteration Source Analysis & Technical Review

Company	Building Materials Investment Corporation	Permit Number	7711A
City	Dallas	Project Number	281361
County	Dallas	Regulated Entity Number	RN100788959
Project Type	Revision	Customer Reference Number	CN605251487
Project Reviewer	Steven Stump		
Site Name	Asphalt Roofing Manufacturing Facility		

Project Overview

Building Materials Investment Corporation requested an alteration of their permit which authorizes an asphalt roofing production facility. With this alteration, the company requests to replace the current Sand Application Baghouse (Emission Point Number [EPN] 25) with a new baghouse and relocate the baghouse stack to a new location further away from the nearest property line. Changes in permit conditions are not required by the proposed project. The new baghouse will have improved pollution control performance with an outlet grain loading of 0.002 grains per dry standard cubic feet (gr/dscf) that results in lower potential emissions and the Maximum Allowable Emission Rates Table must be revised with the new emissions.

Emission Summary

Air Contaminant	Current Allowable Emission Rates (tpy)	Proposed Allowable Emission Rates (tpy)	Change in Allowable Emission Rates (tpy)
PM	104.47	100.48	-3.99
PM ₁₀	104.47	100.48	-3.99
PM _{2.5}	104.47	100.48	-3.99
VOC	47.90	47.90	0.00
NO _x	19.13	19.13	0.00
CO	66.97	66.97	0.00
SO ₂	128.69	128.69	0.00
HAPs	<25.00	<25.00	0.00

Impacts Evaluation - 30 TAC 116.111(a)(2)(J)

Was modeling conducted?	Yes	Type of Modeling:	Screen3
Will GLC of any air contaminant cause violation of NAAQS?	No		
Is this a sensitive location with respect to nuisance?	Moderate		
[§116.111(a)(2)(A)(ii)] Is the site within 3000 feet of any school?	Yes		
Additional site/land use information:	The surrounding area is a mix of residential and industrial. The closest receptor is a business located 250 feet away. The closest property line is 200 feet away. There are three schools nearby, a middle school located 1,600 feet away, a high school 2,500 feet away, and an elementary school 2,900 feet away.		

Summary of Modeling Results

The modeled 1-hour GLC_{max} concentration at the property line for the current location of EPN 25 is 22.46 micrograms per cubic meters (µg/m³).

The modeled 1-hour GLC_{max} concentration at the property line for the proposed relocation of EPN 25 is 13.45 micrograms per cubic meters (µg/m³). The relocation of EPN 25 is expected to result in a decrease in impacts at the property line.

Permit Concurrence and Related Authorization Actions


Is the applicant in agreement with special conditions?	Yes
Company representative(s):	Ms. Latha Kambham, Trinity Consultants
Contacted Via:	e-mail

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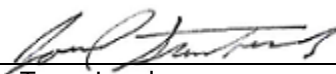
Date of contact:	March 27, 2018
Other permit(s) or permits by rule affected by this action:	No
List permit and/or PBR number(s) and actions required or taken:	N/A



4/2/2018

Project Reviewer
Steven Stump

Date



Team Leader
Bonnie Evridge

4/6/2018

Date